

Patent Claims

1. An annealing rack, particularly for transporting aluminum cast parts in the heat treatment process, characterized in that it is constructed from at least one annealing rack element (1) having at least one annealing basket (13), which may be placed therein and is adaptable to the annealing stock.
2. The annealing rack according to Claim 1, characterized in that the annealing rack elements (1) are implemented so they are stackable one on top of another.
3. The annealing rack according to Claim 1 or 2, characterized in that each annealing rack element (1) has at least one rest (3) and corner supports (6) projecting upward from the corners of the rest.
4. The annealing rack according to Claim 3, characterized in that in at least one of the annealing rack elements (1), the corner supports (6) are connected to the rest (3) and/or to one another using rack struts (5).
5. The annealing rack according to Claim 3 or 4, characterized in that the rest (3), corner supports (6), and possibly rack struts (5) of the annealing rack element (1) are detachably connected to one another, particularly by plug-in connections.
6. The annealing rack according to one of Claims 3 through 5,

characterized in that the rest (3), the corner supports (6), and possibly the rack struts (5) of the annealing rack element (1) are connected to one another with play.

7. The annealing rack according to one of the preceding claims,
characterized in that at least one of the annealing rack elements (1) is provided with means for detachable fixing of the annealing basket (13).
8. The annealing rack according to one of the preceding claims,
characterized in that the annealing basket (13) has a basket floor (14) having upwardly projecting basket supports (18).
9. The annealing rack according to Claim 8,
characterized in that in at least one of the annealing baskets (13), the basket supports (18) are connected to the basket floor (14) and/or to one another using basket struts (19).
10. The annealing rack according to Claim 8 or 9,
characterized in that the basket floor (14), the basket supports (18), and possibly basket struts (19) of the annealing basket (13), are connected to one another detachably, particularly by plug-in connections.
11. The annealing rack according to one of Claims 8 through 10,

characterized in that the basket floor (14), the basket supports (18), and possibly the basket struts (19) of the annealing basket (13) are connected to one another with play.

12. The annealing rack according to one of Claims 8 through 11,
characterized in that wire clips (30) may be attached detachably, particularly plugged in and/or screwed in, to the basket floor (14) and/or the basket supports (18) and/or the basket struts (19).
13. The annealing rack according to one of the preceding claims,
characterized in that at least one of the annealing baskets (13) is provided with means for detachable fixing on the annealing rack element (1).